

ABSTRACT OF THE DISCLOSURE

The present invention discloses an auto-reset leakage current circuit breaker performing over current cut-off function, leakage current cut-off function, and reset function, and comprising a zero sequence current transformer detecting abnormal current flows generated by ground faults or leakage currents, an abnormal current detector comparing the value of the abnormal current flows, detected by the zero sequence current transformer, with the standard set-point value, a cut-off/reset controller operating a relay in the case of the ground faults or the leakage currents, or resetting the relay in the case of elimination of the causes of the leakage currents, the relay cutting off or resetting an electric path by the order of the cut-off/reset controller, a minute current generator supplying minute currents to check leakage states, until the causes of the leakage current is eliminated, after the relay cuts off the electric path, and an auto-reset unit supplying a pulse periodically to check an input signal after the cut-off/reset controller is operated to cut off the abnormal current flows.